

FILE 'BIOSIS, MEDLINE, EMBASE, EMBAL, SCISEARCH, BIOTECHDS, CAPLUS'
ENTERED AT 15:26:23 ON 04 AUG 2003

L1 43 S (**EBV?** OR (**EPSTEIN(1W)BARR(1W)VIRUS**)) AND ((**VCA (1W)**
P18) OR (
L2 21 S L1 AND (**BFRF3** OR **BDRF1**)
L3 12 DUP REM L1 (31 DUPLICATES REMOVED)
L4 22 S L1 NOT L2
L5 6 DUP REM L4 (16 DUPLICATES REMOVED)

BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 1994-00244 BIOTECHDS

TITLE: Monoclonal antibody against **Epstein-Barr**
virus recombinant **VCA-p18** or
VCA-p40 protein antigen;
and anti-idiotypic antibody; **EBV** detection using
DNA probe

PATENT ASSIGNEE: Akzo

PATENT INFO: AU 9335152 16 Sep 1993

APPLICATION INFO: AU 1993-35152 12 Mar 1993

PRIORITY INFO: EP 1992-200721 13 Mar 1992

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 1993-345368 [44]

TI Monoclonal antibody against **Epstein-Barr**
virus recombinant **VCA-p18** or **VCA-**
p40 protein antigen;

and anti-idiotypic antibody; **EBV** detection using DNA probe

AB The following are claimed: (A) a peptide (I) immunochemically reactive
with antibodies against **Epstein-Barr virus**
(**EBV**) comprising at least part of the **VCA-p18**
or **VCA-p40** protein encoded within the **EBV**
open reading frames **BFRF3** and **Bdrf1**, respectively, or their fragments;
(B) a nucleic acid sequence encoding (I); (C) a nucleic. . .
transformed or transfected with (D); (F) an antibody to (I); (G) a
monoclonal antibody (MAb) having the same reactivity to **VCA-**
p18 as MAb **EBV.OT15E** or **EBV.OT15I** produced by
the rat-mouse hybridoma cell lines ECACC 93020413 and 93020412,
respectively, and as MAb **EBV.OT41A** produced by ECACC 93020414;
(H) an immortalized cell line capable of producing the MAb of (G); and
(I) an anti-idiotypic antibody reactive with the MAb of (F). **EBV**
can be detected in samples using the MAb or immunochemical reagents.
EBV nucleic acid sequences can be amplified using the nucleic
acids of (B) or (C) as DNA primers. (62pp)

CT **EPSTEIN-BARR VIRUS RECOMBINANT VCA**
-P18, VCA-P40 PROTEIN ANTIGEN PREP.,

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1995:713826 CAPLUS
 DOCUMENT NUMBER: 123:110142
 TITLE: Diagnostic reagents for the detection of antibodies to
 Epstein Barr Virus
 INVENTOR(S): Middeldorp, Jaap Michiel; Van Grunsven, Wouterus
 Marinus
 PATENT ASSIGNEE(S): Akzo Nobel N.V., Neth.; Biomerieux BV
 SOURCE: Eur. Pat. Appl., 28 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 649904	A1	19950426	EP 1994-202598	19940909
EP 649904	B1	20030122		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
AT 231556	E	20030215	AT 1994-202598	19940909
CA 2131874	AA	19950315	CA 1994-2131874	19940912
FI 9404225	A	19950315	FI 1994-4225	19940913
AU 9472956	A1	19950330	AU 1994-72956	19940913
AU 679545	B2	19970703		
ZA 9407061	A	19950427	ZA 1994-7061	19940913
JP 07209302	A2	19950811	JP 1994-220488	19940914
US 5827646	A	19981027	US 1994-306078	19940914
PRIORITY APPLN. INFO.:			EP 1993-202659	A 19930914

TI Diagnostic reagents for the detection of antibodies to **Epstein
 Barr Virus**

AB A diagnostic reagent for the detection of antibodies against
Epstein Barr Virus is disclosed. The
 diagnostic reagent comprises a combination of at least part of an
EBV structural protein, preferably a viral capsid antigen (**VCA**) or
 a membrane antigen (**MA**), and at least part of an **Epstein Barr** nuclear
 antigen (**EBNA**). Preferably, the **VCA**-protein is **VCA-p18**
 protein, the **MA**-protein is **MA-gp350/220** protein and the **EBNA**-protein is
EBNA-1 protein. It has been found that the combination of a **VCA**-protein
 or a **MA**-protein, and an **EBNA** protein, into a single diagnostic assay
 yields an **EBV**-antibody detection method with greater sensitivity
 and accuracy than current methods.

ST diagnosis **Epstein Barr virus** antibody